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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/755,620	01/12/2004	H. Joshua Schreff	89287.0003	2950

26021 7590 03/22/2005

HOGAN & HARTSON L.L.P.  
 500 S. GRAND AVENUE  
 SUITE 1900  
 LOS ANGELES, CA 90071-2611

EXAMINER

COCKS, JOSIAH C

ART UNIT PAPER NUMBER

3749

DATE MAILED: 03/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/755,620

Applicant(s)

SCHREFF ET AL. 

Examiner

Josiah Cocks

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 12 January 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Drawings*

1. The drawings filed 1/12/2004 are accepted by the examiner.

### *Claim Rejections - 35 USC § 112*

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 17 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 17 recites the limitation "the second heat insulator" in line 1. There is insufficient antecedent basis for this limitation in the claim. A second heat insulator has not previously been identified. As best can be determined, and for the purpose of an examination on the merits, this claim has been regarded as reciting --the outer heat insulator--.

### *Claim Rejections - 35 USC § 103*

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. Claims 1-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No 4,793,323 to Guida et al. ("Guida") in view of U.S. Patent No. 3,970,068 to Sato ("Sato") and U.S. Patent Application Publication No. 2002/0017291 to Searle et al. ("Searle").

Guida discloses in Figures 1-14 an invention similar to that described in applicant's claims 1-22. In particular, Guida shows a self-contained temperature-change container assembly having an inner container (4), an outer jacket (2) surrounding the inner container, first and second temperature-change reagents (in compartments 11 and 7), a reagent separator (6), and a moveable member (12) opposite the separator. Movement of member (12) causes breaking member (10) to break separator (6) to mix the reagents (see col. 6, lines 52-60). An air space is defined between the inner and outer containers (see Figs. 2 and 8)

Guida possibly does not disclose a heat insulator inside the outer jacket or the specific claimed materials of the insulator.

Sato and Searle each teach a self-contained temperature-change container assembly in the same field of endeavor as Guida. Each reference also includes a heat insulator surrounding an

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inner container (see item 34 of Sato and items 64 and 66 of Searle). In Sato the insulator (34) is made of foamed synthetic resin (see col. 3, lines 28-30) and in Searle the insulator is made of corrugated cardboard and plastic (see col. 4, paragraph [0054]).

While applicant's claims specify other distinct types of insulating material (e.g. claim 5 reciting compressed fibrous material and claim 8 reciting expanded polystyrene foam), the examiner notes that it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. *In re Leshin*, 125 USPQ 416. See also *Ballas Liquidating Co. v. Allied industries of Kansas, Inc.* (DC Kans) 205 USPQ 331. Accordingly, the recited materials in applicant's claims are not considered to be patentably distinct from the prior art.

In regard to the recitation of multiple heat insulators (e.g. a second and third insulator (claims 6-9) and an inner and outer insulator (claims 13-17)), it would have been obvious to one having ordinary skill in the art at the time the invention was made to duplicate the heat insulators of either Sato or Searle, since it has been held that mere duplication of the essential working parts of a device involves only routine skill in the art. See *St. Regis Paper Co. v. Bemis Co.*, 193 USPQ 8 and MPEP § 2144.04(VI)(B).

Therefore, in regard to claims 1-22, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the container assembly of Guida to incorporate the heat insulator of Sato and Searle as such an insulator desirably serves as an adiabatic material (see Sato, col. 3, lines 28-29) and functions to absorb condensates and insulate heat from the user (see Searle, col. 4, paragraph [0054]).

***Double Patenting***

7. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

8. Claims 1-22 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 51-53 of copending Application No. 10/613,322 in view of U.S. Patent No. 3,970,068 to Sato ("Sato") and U.S. Patent Application Publication No. 2002/0017291 to Searle et al. ("Searle").

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Claims 51-53 recite all the limitations of claims 1-22 except for a heat insulator.

However, for the same reasons applied to the claims in paragraph 6 above, the recited heat insulator is known in the art and does not render claims 1-22 distinct from claims 51-53.

This is a provisional obviousness-type double patenting rejection.

### *Conclusion*

9. This action is made non-final. A THREE (3) MONTH shortened statutory period for reply has been set. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patents to Katz and Maione, and Japanese Patent Nos. 9-58658 and 4-114884 are included to further show the state of the art concerning temperature-change container structure and insulation.

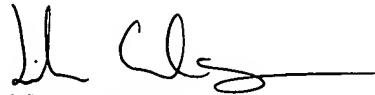
11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Josiah Cocks whose telephone number is (571) 272-4874. The examiner can normally be reached on weekdays from 8:00 AM to 5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ira Lazarus, can be reached at (571) 272-4877. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://portal.uspto.gov/external/portal/pair>. Any questions on access to the Private PAIR system should be directed to the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).

jcc  
March 17, 2005

  
JOSIAH COCKS  
PRIMARY EXAMINER  
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